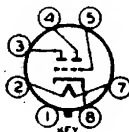




6AE6-G

TWIN-PLATE CONTROL TUBE

Heater ^a	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.15	amp.
Maximum Overall Length		4-1/8"
Maximum Seated Height		3-9/16"
Maximum Diameter		1-9/16"
Bulb		ST-12
Base		Small Shell Octal 7-Pin
Pin 1 - No Connection		Pin 4 - Plate (Sharp Cut-off Triode)
Pin 2 - Heater		Pin 5 - Grid
Pin 3 - Plate (Remote Cut-off Triode)		Pin 6 - Heater
		Pin 7 - Cathode



Mounting Position BOTTOM VIEW (7AH) Any

REMOTE CUT-OFF TRIODE

Plate Voltage					250 max. volts
Characteristics:					
Plate	250	250	250	250	volts
Grid	-35	-15	-6	-1.5	volts
Amp. Fact.				25	
Plate Res. (approx.)				25000	ohms
Transcond.				1000	μmhos
Plate Current	0.01	0.8	2.8	6.5	ma.

SHARP CUT-OFF TRIODE

Plate Voltage					250 max. volts
Characteristics:					
Plate		250	250		volts
Grid		-9.5	-1.5		volts
Amp. Fact.			33		
Plate Res. (approx.)			35000		ohms
Transcond.			950		μmhos
Plate Current		0.01	4.5		ma.

^a In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

The 6AE6-G provides in effect two triodes with different cut-off characteristics and is intended for use as a control tube for twin-type electron-ray tubes, such as the 6AF6-G. With a-c voltage applied to the common grid in suitable circuits, one ray-control electrode serves for strong signals and the other for weak signals.

April 15, 1940

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

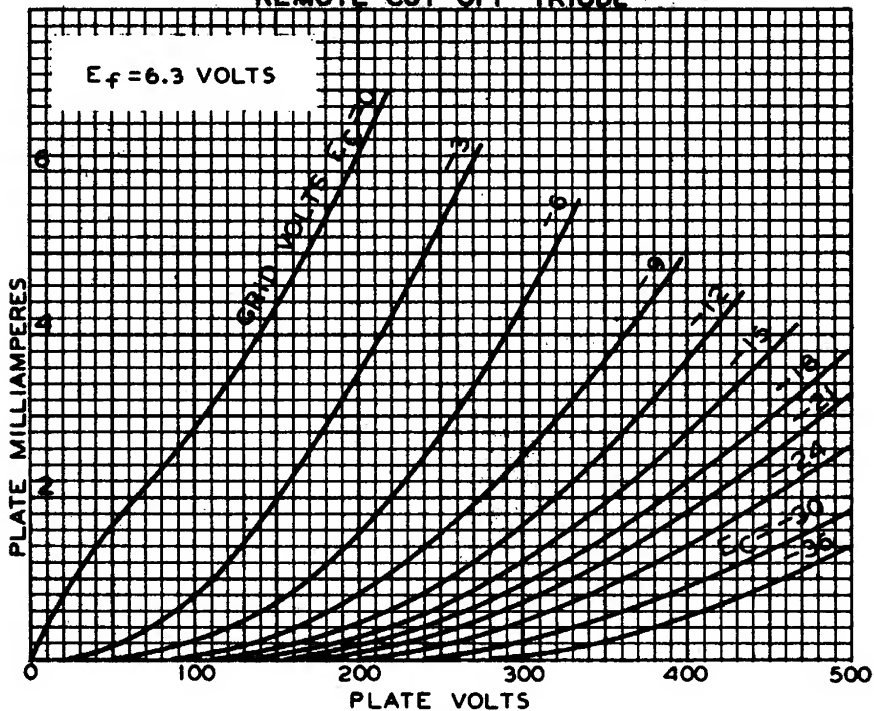
TENTATIVE DATA

6AE6-G

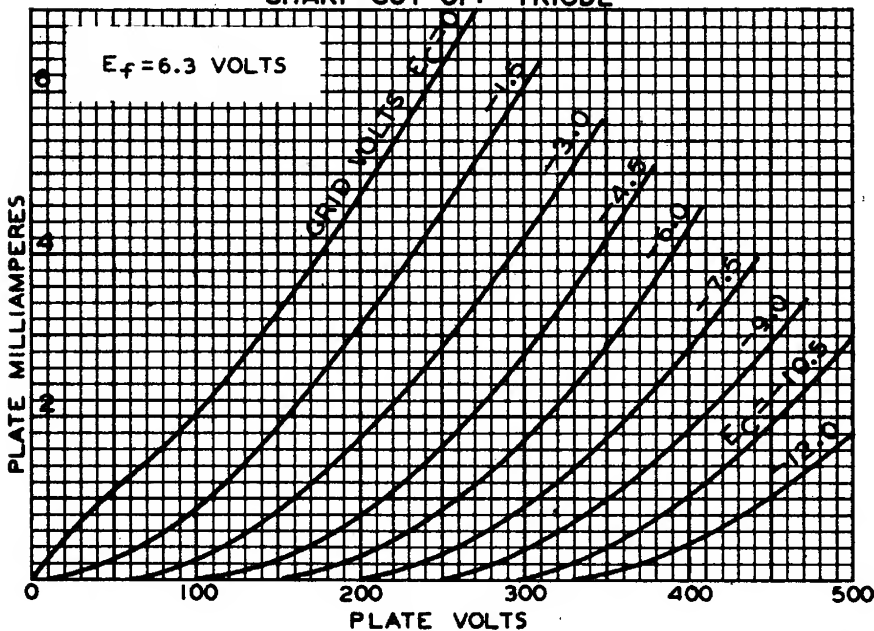


6AE6-G

AVERAGE PLATE CHARACTERISTICS REMOTE CUT-OFF TRIODE



AVERAGE PLATE CHARACTERISTICS SHARP CUT-OFF TRIODE



MAR. 18, 1940

RCA RADOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

92C-6138